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产品名称: **NAMI-A**
产品别名: **NAMI-A**

生物活性:				
Description	NAMI-A is a ruthenium-based drug characterised by the selective activity against tumour metastases, inhibits the adhesion and migration. In vitro: NAMI-A can significantly affect tumor cells with metastatic ability. The half lifetime of NAMI-A elimination from the lungs is longer than for liver, kidney, and primary tumor. NAMI-A bound to collagen is active on tumor cells as shown in vitro by an invasion test, using a modified Boyden chamber and Matrigel, and it inhibits the matrix metallo-proteinases MMP-2 and MMP-9 at micromolar concentrations. [1] The ruthenium drug NAMI-A inhibits the adhesion and migration of colorectal cancer cells. NAMI-A decreases $\alpha 5\beta 1$ integrin expression and FAK auto-phosphorylation on Tyr 397. [2] In vivo: The reference for NAMI-A is 35 mg/kg/day. [1]			
Solvent&Solubility	In Vitro: H2O : 8.28 mg/mL (18.07 mM; Need ultrasonic and warming)			
		Solvent Mass Concentration	1 mg	5 mg
	Preparing	1 mM	2.1825 mL	10.9127 mL
	Stock Solutions	5 mM	0.4365 mL	2.1825 mL
		10 mM	0.2183 mL	1.0913 mL
*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液。一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。 储备液的保存方式和期限: -80°C, 6 months; -20°C, 1 month。 -80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。				
References	[1]. Sava G et al. Dual Action of NAMI-A in inhibition of solid tumor metastasis: selective targeting of metastatic cells and binding to collagen. Clin Cancer Res. 2003 May;9(5):1898-905. [2]. Pelillo C et al. Inhibition of adhesion, migration and of $\alpha 5\beta 1$ integrin in the HCT-116 colorectal cancer cells treated with the ruthenium drug NAMI-A. J Inorg Biochem. 2016 Jul;160:225-35.			